Amendments to the Claims

1. ***(Previously presented)*** An electric insulating material comprising a glass fiber layer and a mica layer disposed thereon, wherein the glass fiber layer comprises twist-free glass yarn.

2. ***(Previously presented)*** An electric insulating material according to claim 1, wherein the glass fiber layer is a woven glass fabric.

3. ***(Previously presented)*** An electric insulating material according to claim 1, additionally comprising at least one polymeric resin.

4. ***(Previously presented)*** An electric insulating material according to claim 3, wherein the polymeric resin comprises a thermosetting resin.

5. ***(Previously presented)*** An electric insulating material according to claim 3, wherein the polymeric resin comprises at least one epoxy resin.

6. ***(Previously presented)*** An electric insulating material according to claim 3, wherein the polymeric resin comprises at least one silicone resin.

7. ***(Previously presented)*** An electric insulating material according to claim 3, wherein the polymeric resin content ranges from about 3% to about 25% by weight.

8. ***(Previously presented)*** An electric insulating material according to claim 3, wherein the polymeric resin content ranges from about 5% to about 18% by weight.

9. ***(Previously presented)*** An electric insulating material according to claim 3, additionally comprising a cure accelerator.

10. ***(Previously presented)*** An electric insulating material according to claim 9, wherein the cure accelerator comprises a metal or an amine.

11. ***(Currently amended)*** An electric insulating material according to claim 3, wherein the polymeric resin content ranges from ~~about by weight~~ about 25% to about 50% by weight.

12. ***(Previously presented)*** An electric insulating material according to claim 3, wherein the polymeric resin content ranges from about 27% to about 45% by weight.

13. ***(Previously presented)*** An electric insulating material according to claim 1, in the form of a tape.

14. ***(Withdrawn)*** A process for manufacturing an insulated electrical conductor, said method comprising wrapping the electrical conductor with an electric insulating material according to any of the above claims.

15. ***(Withdrawn)*** A process according to claim 14, additionally comprising heating the wrapped conductor to cure the resin.

16. ***(Withdrawn)*** A process according to claim 14, wherein the electrical conductor is a wire suitable for use in high temperature environments.

17. ***(Withdrawn)***A process according to claim 14, wherein the electrical conductor is a coil for use in a high voltage electrical motor.

18. ***(Withdrawn)*** A process according to claim 14, additionally comprising impregnating the material with a thermosetting resin before heating the wrapped conductor.

19. ***(Currently amended)*** A high temperature insulated wire manufactured ~~using a process according to claim 16~~, by:

wrapping an electrical conductor suitable for high temperature environments with an electric insulating material comprising a glass fiber layer comprising a twist-free glass yarn and a mica layer disposed thereon;

wherein said wire is rated for operation at temperatures up to 450°C.

20. ***(Currently amended)*** A high temperature insulated wire comprising a wire suitable for high temperature environments wrapped with a tape ~~according to claim 16,~~ comprising a glass fiber layer comprising a twist-free glass yarn and a mica layer disposed thereon, wherein said high temperature wire is rated for operation at temperatures up to 1100°C.

21. ***(Currently amended)*** A high temperature insulated coil manufactured ~~using a process according to claim 17~~ by:

wrapping an electrical conductor with an electric insulating material comprising a glass fiber layer comprising a twist-free glass yarn and a mica layer disposed thereon,

22. ***(New)*** An electric insulating material according to claim 1, wherein the twist-free glass yarn comprises zero-twist glass yarn.

23. ***(New)*** An electric insulating material according to claim 1, wherein the material comprises a greater mica content for a given material thickness compared to a material comprising a non-twist free glass yarn having about the same material thickness.

24. ***(New)*** An electric insulating material according to claim 1, wherein the material comprises a greater mica-to-glass ratio for a given material thickness compared to a material comprising a non-twist free glass yarn having about the same material thickness.

25. ***(New)*** An electric insulating material according to claim 3, wherein the material comprises a lower total polymeric resin content compared to a material comprising a non-twist free glass yarn.

26. ***(New)*** An electric insulating material according to claim 1, wherein the material comprises a lower dissipation factor (DF) compared to a material comprising a non-twist free glass yarn.

27. ***(New)*** An electric insulating material according to claim 1, wherein the material comprises a lower dissipation factor (DF) at 160 degrees C at a given mica weight compared to a material comprising a non-twist free glass yarn having about the same mica weight.

28. (*New*) An electric insulating material comprising a glass fiber layer, a mica layer disposed thereon, and at least one polymeric resin, wherein the glass fiber layer comprises twist-free glass yarn obtained by the following process steps:

(a) providing a fiberglass forming package with a single fiberglass strand wound on the package and having a longitudinal axis;

(b) supporting the package in a manner that permits rotation of the package about the longitudinal axis;

(c) pulling the single strand from the package along the longitudinal axis and simultaneously rotating the package about the longitudinal axis while maintaining a rotational surface speed of the package equal to a linear speed of pulling the single strand and in a direction of rotation such that the fiberglass strand is pulled off the package with a net zero amount of twist; and

(d) wrapping the single strand which is pulled from the package onto a beam which can be used to form a warp beam.